



## PRODEN PLAQUEOFF® DENTAL BITES

Influence of ProDen  
PlaqueOff® Dental  
Bites on oral health in  
dogs



### Conclusion

ProDen Plaque Off® Dental Bites containing A.N ProDen® efficiently decreased plaque and calculus accumulation in study dogs. Measured concentration of VSC and Oral Health Index in study group showed significantly lower concentration of VSC and better health status of the dogs respectively. The studies on oral health including plaque and calculus is the basis for awarding the VOHC Accepted Seal for oral health on the product, ProDen PlaqueOff® Dental Bites for dogs.



### Objective

To determine the influence of 90-day administration of dental bites containing the brown algae A.N ProDen® on plaque and dental calculus accumulation as well as on other parameters characterizing oral health status: Oral Health Index (OHI), Total Mouth Periodontal Score (TMPS) and Volatile Sulphur Compound (VSC) concentration in canine oral cavity.

### Material and Methods

60 client owned dogs representing Japanese chins, miniature Schnauzers, Chihuahua, Pomeranians and West Highland White Terrier (WHWT) breeds underwent prophylaxis procedure and were randomly subdivided into 2 groups receiving daily dental bites containing brown algae A.N ProDen® or placebo according to their bodyweight. Clinical assessment of Plaque index, Calculus index, OHI and VSC was performed under sedation after 30, 60 and 90 days of treatment. The study was conducted as a placebo controlled, double blind, randomized study.

### Results

Oral administration of dental bites containing the brown algae A.N ProDen® significantly improved the investigated indices and parameters, i.e. Plaque index, Calculus index and VSC; when compared to placebo-treated group.

Figure 1.

Average combined plaque and calculus index (given as an arithmetic mean with 95% confidence interval) of dogs from two groups at four consecutive time points (T0, T30, T60, T90).

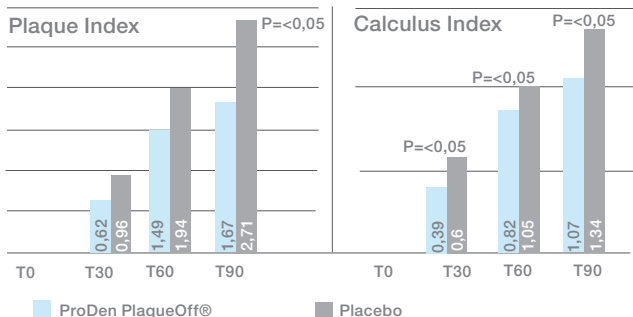


Table 1. Average combined plaque index (arithmetic mean ± standard deviation and a range in parentheses) of dogs from two groups (P1 placebo and P2 ProDen PlaqueOff®) at four consecutive time points (T0, T30, T60, T90)

	n	T0	T30	T60	T90
P1	30	0	0,96 +/- 0,42 (0,4-2,0)	1,94 +/- 1,14 (0,9-4,8)	2,71 +/- 1,36 (1,1-6,4)
P2	30	0	0,62 +/- 0,31 (0,2-1,7)	1,49 +/- 1,17 (0,6-6,4)	1,67 +/- 0,81 (0,9-4,7)

Table 2. Average Calculus index (arithmetic mean ± standard deviation and a range in parentheses) of dogs from two groups (P1 placebo and P2 ProDen PlaqueOff®) at four consecutive time points (T0, T30, T60, T90)

	n	T0	T30	T60	T90
P1	30	0	0,60 +/- 0,15 (0,3-1,0)	1,05 +/- 0,24 (0,7-1,6)	1,34 +/- 0,23 (1,0-1,9)
P2	30	0	0,39 +/- 0,14 (0,2-0,9)	0,82 +/- 0,29 (0,4-2,1)	1,07 +/- 0,39 (0,7-2,6)